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NOTICE OF ALLOWANCE AND FEE(S) DUE

65913 7590 02/23/2009

NXP, B.V. NXP INTELLECTUAL PROPERTY DEPARTMENT M/S41-SJ 1109 MCKAY DRIVE SAN JOSE, CA 95131

EXAMINER				
NGUYEN, PATRICIA T				
ART UNIT	PAPER NUMBER			

2817

DATE MAILED: 02/23/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/552.057	04/30/2007	Matthias Wendt	DE 030099	6179

TITLE OF INVENTION: DIGITAL AMPLIFIER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/26/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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appropriate. All further indicated unless correct maintenance fee notifica	ed below or directed otl	ng the Patent, advance o herwise in Block 1, by (rders and notification of a) specifying a new corr	maintenance fees respondence address	will be mail s; and/or (b)	led to the current of indicating a separ	orrespondence address as ate "FEE ADDRESS" for
	DENCE ADDRESS (Note: Use Bi	Fe	ee(s) Transmittal Th	nis certificate al paper, suc	e cannot be used fo ch as an assignmen	domestic mailings of the r any other accompanying t or formal drawing, must	
M/S41-SJ	CTUAL PROPERT	Y DEPARTMENT	I Si ac tr	Ce hereby certify that the ates Postal Service Idressed to the Ma ansmitted to the USI	his Fee(s) T with sufficient il Stop ISS	Mailing or Transn ransmittal is being ent postage for first UE FEE address a 73-2885, on the da	deposited with the United class mail in an envelope bove, or being facsimile
1109 MCKAY I SAN JOSE, CA							(Depositor's name)
5711 JOSE, C/1	73131						(Signature)
			L				(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO)R	ATTORNE	Y DOCKET NO.	CONFIRMATION NO.
10/552,057 TITLE OF INVENTION	04/30/2007 DIGITAL AMPLIEE	R	Matthias Wendt		DH	E 030099	6179
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU	E PREV. PAID ISSU	JE FEE T	OTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0		\$1810	05/26/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
NGUYEN, I	PATRICIA T	2817	330-251000	_			
"Fee Address" ind	oondence address (or Cha B/122) attached. lication (or "Fee Address 32 or more recent) attach	registered attorney or agent) and the names of up to					
PLEASE NOTE: Un	less an assignee is ident th in 37 CFR 3.11. Comp	A TO BE PRINTED ON iffied below, no assignee pletion of this form is NO	data will appear on the T a substitute for filing a (B) RESIDENCE: (CI	patent. If an assig in assignment. TY and STATE OR	COUNTRY)	cument has been filed for
Please check the appropr	riate assignee category or	r categories (will not be p	rinted on the patent):	☐ Individual ☐ C	Corporation o	or other private grou	p entity 🗖 Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
5. Change in Entity Sta	*			1.1			
NOTE: The Issue Fee an	ns SMALL ENTITY state and Publication Fee (if req		b. Applicant is no lot				assignee or other party in
interest as snown by the	records of the United Sta	ites Patent and Trademark	Omce.				
Authorized Signature				Date			
Typed or printed name			Registration No				
This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 d application form to the ions for reducing this bu /irginia 22313-1450. DO	FR 1.311. The information of U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the D NOT SEND FEES OR	on is required to obtain of 1.14. This collection is a depending upon the includence the following the complete the following the completed FORMS	r retain a benefit by estimated to take 12 lividual case. Any c icer, U.S. Patent and TO THIS ADDRES	the public w minutes to c omments on I Trademark S. SEND TO	which is to file (and complete, including the amount of tim Office, U.S. Depar D: Commissioner fo	by the USPTO to process) gathering, preparing, and e you require to complete tment of Commerce, P.O. or Patents, P.O. Box 1450,

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 6 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 6 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/552,057	WENDT ET AL.	
Notice of Allowability	Examiner	Art Unit	
	PATRICIA T. NGUYEN	2817	
The MAILING DATE of this communication appearuments being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIPORT of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in to or other appropriate commur IGHTS. This application is subsequently and MPEP 1308.	his application. If not included ication will be mailed in due cours	
	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		
2. ☑ The allowed claim(s) is/are <u>1-20</u> .			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b)	e been received. e been received in Application cuments have been received of this communication to file and the second of this application. itted. Note the attached EXAM res reason(s) why the oath or contact the submitted. Set be submitted. Son's Patent Drawing Review.	No in this national stage application from this national stage application from the requirent of the stage application from	nents
Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the	drawings in the front (not the back)) of
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			ne
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sur Paper No./M 7. ☐ Examiner's A	rmal Patent Application nmary (PTO-413), lail Date mendment/Comment tatement of Reasons for Allowanc	e

DETAILED ACTION

Allowable Subject Matter

Claims 1-20 are allowed.

The following is an examiner's statement of reasons for allowance: prior art does not teach nor render obvious a digital amplifier, comprising: a half bridge system with switches, that has, in combination with other limitations, the switching-timing correction circuit is configured to indicate a first delay from timing differences between respective rising edges of the input and output signals, to indicate a second delay from timing differences between respective falling edges of the input and output signals, and to correct switching timing errors of the switches responsive to a difference between the first delay and the second delay; nor does it have a pulse edge delay detector for detecting a difference between a first delay of a pulse supplied to the switches and a second delay of the pulse response output by the switches, the first delay representing a timing difference between a rising edge of the pulse and a rising edge of the pulse response, and the second delay representing a timing difference between a falling edge of the pulse and a falling edge of the pulse response; nor does it have a method that has the step of generating an error signal corresponding to pulse edge delays between the rising and falling pulse edges of the input and the output signal and correcting switching timing errors of the switches on the basis of the error signal.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably Application/Control Number: 10/552,057 Page 3

Art Unit: 2817

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PATRICIA T. NGUYEN whose telephone number is (571)272-1768. The examiner can normally be reached on 6:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on 571-272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PTN
February 17, 2009
/Patricia T Nguyen/
Primary Examiner, Art Unit 2817